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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/735,870 12/16/2003		Mark Stephen Wilson	181-151	5452	
23117 7	590 08/08/2005		EXAMINER		
	ANDERHYE, PC	oon.	SHAKER	SHAKERI, HADI	
ARLINGTON,	GLEBE ROAD, 11TH FLO , VA 22203	OOR	ART UNIT	PAPER NUMBER	
			3723		

DATE MAILED: 08/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/735,870	WILSON, MARK STEPHEN				
Office Action Summary	Examiner	Art Unit				
	Hadi Shakeri	3723				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
, =	action is non-final.					
	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-13</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-13</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers		•				
9)☐ The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>16 December 2003</u> is/are: a)□ accepted or b)⊠ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Ex	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents	have been received in Application	on No				
Copies of the certified copies of the priori		d in this National Stage				
application from the International Bureau						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) A) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 030304.	5) Notice of Informal Pa 6) Other:					
S. Patent and Trademark Office						

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DETAILED ACTION

Drawings

1. The drawings are objected to under 37 CFR 1.84(i). Lines, numbers and letters are not uniformly thick and well defined, clean and durable, and black (poor line quality), Figs. 1-8.

2. The drawings are objected to under 37 CFR 1.84(g). Acceptable margins: Top 2.5 cm; Left 2.5 cm; Right 1.5 cm; Bottom 1.5 cm; for A4 and 8 ½ x 11 sizes. Margins are not acceptable for Figs. 3-8.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Huang (6,814,159) in view of York (1,361,130).

Huang meets all of the limitations of claim 1, i.e., impact wrench having a handle, housing, a socket drive

(20) a follower (30) associated with the housing and holding the socket drive in either loosening or tightening position and first and second camming surfaces (13, 13W) so that when the housing is struck the follower is caused to move relative to one of the camming surfaces (depending on the initial position) thereby rotating the socket, except for the handle to be pivotally connected to the housing.

York teaches handles pivotally connected to a socket drive. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to modify the invention of Huang with pivotal connection as taught by York to adapt the tool for turning nuts or bolts in places where the use of non-pivoting wrenches would not be convenient and/or not possible.

Regarding claims 2-13, Huang as modified by York meets the limitations, note that helical surface is considered met by the disclosure in Huang, however, modifying the shape of the cam surface, e.g., helical or spiral in enhancing the operation would be well within the knowledge of one of ordinary silk in the art.

Further with regards to claim 12, a detent ball is disclosed by Huang, and as it is commonly used in the art the detent ball as shown are spring biased, however, this is also considered modification well within the knowledge of one of ordinary skill in the art in providing a firm and secure means of releasably connecting to a drive socket.

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Conclusion

5. Prior art made of record and not relied upon are considered pertinent to applicant's disclosure. Su, Timewell, Engquist, Crummey and Leopold are cited to show related inventions.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hadi Shakeri whose telephone number is (571) 272-4495. The examiner can normally be reached on Monday-Thursday.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hadi Shakeri Primary Examiner Art Unit 3723

July 29, 2005